CONTENTS OF VOLUME 27B

Number 1

Hyoun-Young Lee	1	An application of NOAA AVHRR thermal data to the study of urban heat islands
R. H. Schulze	15	The 20-year history of the evolution of air pollution control legislation in the U.S.A.
R. D. Scheffe and R. E. Morris	23	A review of the development and application of the Urban Airshed Model
R. B. Wilson	41	Review of development and application of CRSTER and MPTER models
J. Pastuszka, S. Hławiczka and K. Willeke	59	Particulate pollution levels in Katowice, a highly industrialized Polish city
M. A. H. Eltayeb, C. F. Xhoffer, P. J. Van Espen, R. E. Van Grieken and W. Maenhaut	67	Sources and composition of aerosol from Khartoum, Sudan
C. Saiz-Jimenez	77	Deposition of airborne organic pollutants on historic buildings
N. Kumar, U. C. Kulshreshta, A. Saxena, K. M. Kumari and S. S. Srivastava	87	Effect of anthropogenic activity on formate and acetate levels in precipitation at four sites in Agra, India
I. G. McKendry	93	Ground-level ozone in Montreal, Canada
K. E. Grønskei, S. E. Walker and F. Gram	105	Evaluation of a model for hourly spatial concentration distributions
T. Gotoh	121	Relation between heat islands and NO_2 pollution in some Japanese cities

Number 2

L. O. Myrup, C. E. McGinn and R. G. Flocchini	129	An analysis of microclimatic variation in a suburban environment
G. M. Mills	157	Simulation of the energy budget of an urban canyon—I. Model structure and sensitivity test
G. M. Mills and A. J. Arnfield	171	Simulation of the energy budget of an urban canyon—II. Comparison of model results with measurements
S. Sollinger, K. Levsen and G. Wünsch	183	Indoor air pollution by organic emissions from textile floor coverings. Climate chamber studies under dynamic conditions
W. G. Cobourn, K. L. Gauri, S. Tambe, S. Li and E. Saltik	193	Laboratory measurements of sulfur dioxide deposition velocity on marble and dolomite stone surfaces
H. Sakugawa, I. R. Kaplan and L. S. Shepard	203	Measurements of H_2O_2, aldehydes and organic acids in Los Angeles rainwater: their sources and deposition rates

M. Boznar, M. Lesjak and P. Mlakar 221 A neural network-based method for short-term predictions of ambient SO_2 concentrations in highly polluted industrial areas of complex terrain

R. K. Stevens, R. J. Drago and Y. Mamane 231 A long path differential optical absorption spectrometer and EPA-approved fixed-point methods intercomparison

J. M. Lyons, C. Venkataraman, H. H. Main and S. K. Friedlander 237 Size distributions of trace metals in the Los Angeles atmosphere

M. Aceves and J. O. Grimalt 251 Large and small particle size screening of organic compounds in urban air

K. W. Nicholson and J. R. Branson 265 Lead concentrations in U.K. urban air

A Note

R. M. Tripathi, S. C. Ashawa and R. N. Khandekar 269 Atmospheric deposition of Pb, Cd, Cu and Zn in Bombay, India

Number 3

Y. Qin and L. Y. Chan 275 Traffic source emission and street level air pollution in urban areas of Guangzhou, South China (P.R.C.)

Y. Qin and S. C. Kot 283 Dispersion of vehicular emission in street canyons, Guangzhou City, South China (P.R.C.)

B. Rappenglück, K. Kourtidis and P. Fabian 293 Measurements of ozone and peroxyacetyl nitrate (PAN) in Munich

A. Fornaro, P. C. Isolani and I. G. R. Gutz 307 Low-cost automated rain collector and its application to the study of wet only deposition in São Paulo (Brazil)

R. Tsitouridou and C. Samara 313 First results of acidic and alkaline constituents determination in air particulates of Thessaloniki, Greece

D. S. Lee 321 Spatial variability of urban precipitation chemistry and deposition: statistical associations between constituents and potential removal processes of precursor species

F. Guidobaldi and A. M. Mecchi 339 Corrosion of ancient marble monuments by rain: evaluation of pre-industrial recession rates by laboratory simulations

Number 4

i Publisher's Notice

C. Pilinis, P. Kassomenos and G. Kallos 353 Modeling of photochemical pollution in Athens, Greece. Application of the RAMS-CALGRID modeling system

S. Jin and K. Demerjian 371 A photochemical box model for urban air quality study

H. C. Eerens, C. J. Sliggers and K. D. van den Hout — 389 The CAR model: the Dutch method to determine city street air quality

M. S. El-Shobokshy and Y. G. Al-Saedi — 401 Atmospheric turbidity and transmittance of solar radiation in Riyadh, Saudi Arabia

Chih-Shan Li, Wen-Hai Lin and Fu-Tien Jenq — 413 Characterization of outdoor submicron particles and selected combustion sources of indoor particles

W. M. Cox and Shao-Hang Chu — 425 Meteorologically adjusted ozone trends in urban areas: a probabilistic approach

A. Alexopoulos, D. Assimacopoulos and E. Mitsoulis — 435 Model for traffic emissions estimation

I Volume Contents and Author Index to Volume 27B, 1993